Superior
Conferencing
Solutions

A SHURE Company

DCS **6000**
Digital Conference System

VERSATILE, UPGRADEABLE, SCALABLE.

DCS **6000** Digital Conference System

DIS IS ALL ABOUT CONFERENCING.

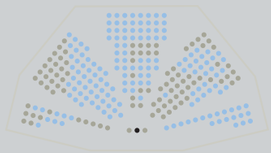
Clarity, precision and reliability are absolutely essential in today's world when important information is shared and decisions made in conferences and meetings. The DCS 6000 system is fully digital based on an innovative technology, providing crystal clear audio everywhere. The most efficient solution when users need to hear and be heard.

Attractively styled microphone units are available in portable or flush-mounted versions, all with lockable, RF resistant gooseneck microphones and optional voting or language interpretation facilities. The system is easily configured and controlled either from the central unit or managed by the SW 6000 Conference Management Software

All DCS 6000 system components are connected in the DCS-LAN with standard shielded Cat5e cables to facilitate ease of installation and maintenance.

Key Features include:

- Superior audio quality
- Intuitive, user-friendly operation
- Scalable to meet the requirements of each meeting
- Fully integrated with web streaming and archiving
- Easily interfaced to control systems such as AMX or Crestron
- Audio encryption for security needs
- Future-proof, upgradeable system design



The DCS 6000 Digital Conference System for all conferencing demands – from a large customised installation in a historic city hall or parliament to a plug-and-play rental system.

DCS **6000** Digital Conference System Components

CENTRAL EQUIPMENT

CU 6105 CENTRAL UNIT

Central unit with control for up to 500 conference units and 150 interpreter sets.
Supports 4 outputs and 16 interpreted channels. Web browser control and remote control by TCP/IP.

CU 6110 CENTRAL UNIT

Central unit with control for up to 3.800 conference units and 150 interpreter sets.
Supports 8 outputs and 32 distributed channels (floor + 31 interpreted channels).

EX 6010 EXTENSION UNIT

An extension power supply for increasing either the DDS 5900 or the DCS 6000 systems' capacity. The power supply splits one DCS-LAN chain into 4 chains while adding regeneration of the signal and 125 watts of power to each of the four chains.

AO 6008 AUDIO OUTPUT UNIT

Outputs eight floor or language channels to IR language distribution systems, recording and web-streaming devices. Most settings are accessible via an easily navigable menu on the front of the AO. The audio properties can also be controlled by a PC with SW 6000 software.

JB 6104

Junction Box for connecting one conference unit to each of the 4 output connectors

RP 6004

Repeater for in/outgoing bus

PI 6000

Power Inserter for providing additional power to the DCS-LAN

AO 6004

4 channels analogue Audio Output unit

PORTABLE CONFERENCE UNITS

DC 6990 P CONFERENCE UNIT

Universal conference unit with built-in loudspeaker, lockable XLR socket, chipcard reader, voting functionality, channel selector, 2 headphone jacks and 3.5" touch screen.

DM 6680 P CONFERENCE UNIT

Delegate conference unit with built-in loudspeaker, lockable XLR socket, chipcard reader, voting functionality, channel selector and headphone jack.

DC 6120 P CONFERENCE UNIT

Portable conference unit which can be configured both as chairman and delegate unit. The unit features speak/function buttons, XLR gooseneck microphone connector, loudspeaker and headphone connector/volume controls for the floor channel.

DC 6190 P CONFERENCE UNIT

Portable conference unit which can be configured both as chairman and delegate unit.
The unit features speak/function buttons, XLR gooseneck microphone connector, loudspeaker, two channel selectors and two headphone connectors.

MICROPHONES

GM 652X

Gooseneck microphone for discussion and conference units with XLR socket.

GM 6523 40 cm length
GM 6524 50 cm length
GM 6525 63 cm length

GM 6628

Shotgun microphone for discussion and conference units with XLR socket.

HM 4042

Handheld microphone to use in combination with microphone unit MU 6040.

BM 6022

Boundary microphone for flush-mount units.

FLUSH-MOUNTED CONFERENCE UNITS

CM 6680 F / DM 6680 F CONFERENCE UNIT

Flush-mounted conference unit in chairman or delegate version. Each unit feature speak/function buttons, a XLR gooseneck microphone connector, loudspeaker, 5 voting buttons, chip card reader and one channel selector.

CM 6680 F Chairman version
DM 6680 F Delegate version

DM 6620 F CONFERENCE UNIT

Flush-mounted delegate conference unit. The unit features a speak/request button, a XLR gooseneck microphone connector, loudspeaker, 5 voting buttons and a chip card reader.

DV 6501 F CONFERENCE UNIT

Flush-mounted delegate conference unit. The unit features 3 voting buttons and a chip card reader.

CM/DM 6080 F CONFERENCE UNIT

Flush-mounted conference unit in chairman delegate version. Each unit feature speak/function buttons, a XLR gooseneck microphone connector, a loudspeaker and channel selector.

CM 6080 F Chairman version
DM 6080 F Delegate version

CM / DM 6XXX F CONFERENCE UNIT

Customised delegate/chairman units with specific shape, colour and functionalities available on request.

CM 6XXX F Chairman version
DM 6XXX F Delegate version

FC 6021 / FD 6121 CONFERENCE UNIT

Flush-mount unit with lockable XLR socket, speak and delegates off button (Chairman version)

FC 6021 Chairman version
FD 6121 Delegate version

MICROPHONE UNITS

MU 6040 D / MU 6040 C MICROPHONE UNIT

Microphone unit to connect FC/FD 6xxx conference units.

MU 6040 C Chairman

MU 6040 D Delegate
MU 6042 D Dual Delegate

AM 6040 AMBIENT MICROPHONE UNIT

Ambient microphone unit for detecting ambient noise in a conference room. To use in combination with the microphone unit MU 6040.

CUSTOMISATION

HARD- AND SOFTWARE FOR SPECIAL LOCATIONS

Although DIS products can be used for almost any kind of installation, sometimes our standard hard- or software products don't fit 100% to the customer's requirements. In these cases we can assist by designing a special product or feature according to your requirements. No matter if you need a conference unit in a special colour, shape or with your company logo – please contact us in order to check what we can do. Besides hardware we are also able to customise the SW 6000 software, so even in the rare case that there is a special feature not already available in the standard software we might be able to program and implement it. Please mind that for customisation additional costs and lead times need to be considered.

DCS **6000** Digital Conference System Components

INTERPRETER EQUIPMENT

IS 6132 INTERPRETER UNIT

Portable interpreter unit. The unit features four relay languages, two outgoing channels, support for 32 channels (31 interpretation channels + 1 floor) and multiple interlock modes.

LS 6132 LOUDSPEAKER

Sometimes simultaneous interpreters or press delegates prefer to hear the floor sound through a separate loudspeaker. For these cases a LS 6132 can be connected straight to the DCS-LAN Network. The volume level is adjustable.

CS 6340 FH / CS 6340 FV CHANNEL SELECTOR

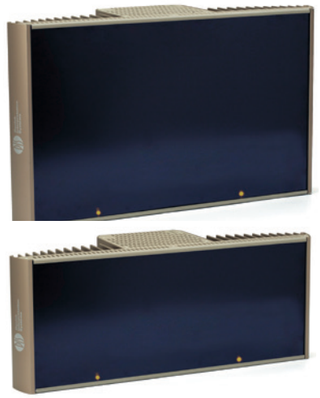
The CS 6340 F series are compact flush-mounted channel selectors that distribute the floor, for assistive listening, as well as the language interpretation channels to seating positions.

The delegate or audience member can listen via headphones with 3.5 mm jack (sold separately), set the volume and select the channel on the 3 digit OLED display. The display can show either the channel number or channel abbreviation.

DR 6004 / DR 6008 / DR 6032 DIGITAL INFRARED RECEIVER

The Digital Infrared Receivers are for use in wireless simultaneous interpretation systems in conference centres, conference theatres, hotels etc. Via invisible digital infrared light up to 32 channels can be received in superb audio quality.

The ergonomically designed receivers use the latest electronics technology – including a specially designed IC to ensure maximum performance and a long battery life-time.



RA 6013 / RA 6025 DIGITAL RADIATOR

The radiator has to be connected to the transmitter DT 60xx or looped through another radiator and converts digital data into a wireless infrared (IR) signal. The IR diodes on the front side of the device transmit/radiates the signal to the digital receivers DR 60xx. Depending on room size and surface materials, number of languages and positioning of the radiator there is the choice between a device with 13 watt or 25 watt power.

DT 6008 / DT 6032 DIGITAL INFRARED TRANSMITTER

The DT 6008 or DT 6032 Digital Transmitter is the central modulator unit which receives audio from the interpreter and transmits it for wireless digital language distribution.

The DT 60xx Digital Transmitter accepts audio from the AO 6004 or AO 6008 Audio Output Units or from CU 6105 or CU 6110 directly. Other audio sources can be connected. The transmitter modulates these signals onto carrier waves. The digital carrier waves are transmitted directly to the RA 60xx Digital Radiators located in the room – for wireless distribution to the DR 60xx Digital Receivers.

HEADSETS / HEADPHONES

DH 6001H HEADPHONE

Mono headphones for interpreter set.

DH 6021 HEADPHONE

Stereo headphones for delegate and chairman unit.

DH 6233 STETHOSCOPIC HEADPHONE

Stetoscopic headphones for delegate or chairman unit (stereo).

DH 6225 EARCLIP HEADPHONE

Earclip for delegate or chairman unit.

SW **6000** SOFTWARE

The so-called „basic software package" can be considered as the operating system for the SW 6000. The software basic package can be downloaded for free, however, in order to run the software, a license key needs to be purchased. SW 6000 works with Microsoft Windows XP Pro, Vista & Windows 7 and can be installed on a stand-alone PC or in a PC network (client/server or terminal server set-up). One SW 6000 conference management license is required per installation.

The **SW 6000 Basic Package** consists of following components:

– SQL 2008 Express Database Server
– SW 6000 CUI Interface, TCP/IP and RS232 to CU 6105/11 and CU 6005/10/11
– SW 6005 CAA Application, one license
– SW 6000 Backup Utility

APPLICATIONS AND MODULES

SW **6005**
CONFERENCE ADMINISTRATION APPLICATION (CAA)
One CAA license is part of the SW Basic Package. This (offline) app is basically needed before or in order to prepare a meeting/ conference.

SW **6008**
CONFERENCE USER APPLICATION (CUA)
The CUA is necessary to make changes during a session from a delegate perspective, however, the CUA has to be used in combination with other modules.

SW **6010**
SW MODULE MICROPHONE CONTROL
In combination with the CUA this module enables to turn microphones on/off.

SW **6012**
SW MODULE AGENDA HANDLING
This module enables to prepare an agenda and follow the agenda topics during a session.

SW **6015**
SW MODULE MESSAGING
This module enables to prepare messages and to send them to various CUA's during a session.

SW **6018**
SW MODULE MIMIC / SYNOPTIC
In combination with the CUA this module enables to turn microphones on/off on a graphical layout in the SW 6000.

SW **6020**
SW MODULE DELEGATE NAMING
This module enables to assign names to conference units and is especially useful when voting is required.

SW **6032**
SW MODULE INTERPRETATION CONTROL
This module enables to control the interpreter units via SW 6000.

SW **6050**
SW MODULE MULTI-LANGUAGE SCREEN
This module enables to display the SW 6000 in different languages on a screen. Individual languages can be chosen on each CUA.

SW **6060**
SW MODULE VOTING CONTROL
This module enables to start and control a voting session in SW 6000.

SW **6062**
SW MODULE VOTING FOR CUA
This module enables a PC with CUA to participate in a voting session.

SW **6070**
CHIP CARD REGISTRATION
This module enables SW 6000 to use chip cards for identification. This module is especially useful when voting is required.

SW **6000** Software

SUGGESTED SOFTWARE BUNDLES
for specific applications

BASIC CONFERENCE
To control microphones during a meeting.

SW **6000** Basic Package
SW **6008** CUA
SW **6010** Microphone Control
SW **6018** Mimic / Synoptic Control

CITY HALL
For meeting preparations, microphone control, menu display in different languages, voting and display of results on screen, delegate identification and connection to third party systems.

SW **6000** Basic Package
SW **6008** CUA
SW **6010** Microphone Control
SW **6012** Agenda
SW **6018** Mimic / Synoptic Control
SW **6020** Delegate Database
SW **6050** Multilanguage Interface
SW **6060** Voting Control
SW **6070** Chip Card Registration
SW **6071** Chip Card Programming
SW **6090** Display Application

PARLIAMENTARY SOLUTION
For meeting preparations, advanced control of microphones, speech time & agenda, menu display in different languages, interpretation control, voting and display of results on screen, delegate identification and connection to third party systems, streaming control and web service interface.

SW **6000** Basic Package
SW **6008** CUA
SW **6010** Microphone Control
SW **6012** Agenda
SW **6018** Mimic / Synoptic Control
SW **6020** Delegate Database
SW **6032** Interpretation Control
SW **6050** Multilanguage Interface
SW **6060** Voting control
SW **6070** Chip Card registration
SW **6071** Chip Card programming
SW **6085** Streaming Control
SW **6086** Web Service Interface
SW **6090** Display Application
SW **6110** Advanced Mic Control
SW **6112** Advanced Agenda Control
SW **6125** Advanced Speech Time Control
SW **6186** Import / Export Conference

SW **6071**
SW MODULE CHIP CARD PROGRAMMING
This module enables to program chip cards in combination with a connected chip card programming device (e.g. CP 6001).

SW **6080**
SW MODULE MULTIPLE ROOM CONTROL
This module enables to control various conference sessions in different rooms from one single PC.

SW **6085**
SW MODULE STREAMING CONTROL
This module enables the SW 6000 to do streaming/archiving in combination with the SW 7000 and additional hardware.

SW **6086**
SW MODULE WEB SERVICE INTERFACE
This module provides a Web Service Interface necessary for streaming/archiving in combination with SW 6085 and SW 7000.

SW **6090**
CONFERENCE DISPLAY APPLICATION (CDA)
The CDA is necessary to display visual content from the SW 6000 like the agenda, delegate information or voting results on an external projector.

SW **6110**
SW MODULE ADVANCED MIC CONTROL
This module is used in combination with SW 6010 and provides advanced features for microphone control.

SW **6112**
SW MODULE ADVANCED AGENDA CONTROL
This module is used in combination with SW 6012 and provides advanced features for agenda control.

SW **6125**
SW MODULE ADVANCED SPEECH TIME CONTROL
This module is used in combination with SW 6010 and provides advanced features for speech time control.

SW **6186**
SW MODULE ADVANCED IMPORT / EXPORT OF MEETINGS
This module is for example necessary when meetings from other (external) databases need to be imported into the SW 6000.

SW **6232**
EXTERNAL CONTROL APPLICATION (ECA)
The ECA is necessary if external hardware is connected in combination with SW 6000 (e.g. media control systems).

DCS 6000 Digital Conference System Specifications (Note: All specifications are subject to change.)

Electrical	CU **6105**	CU **6110**
Power consumption	Max. 150 W / 48 V	Max. 150 W / 48 V
Supply voltage for units	125 W / 48 V	125 W / 48 V
Audio quality sampling	24 bit audio, 32 kHz	24 bit audio, 32 kHz
Frequency response	65 Hz – 16 kHz	65 Hz – 16 kHz
THD	< 0.1 %	< 0.1 %
Signal-to-noise ratio	> 85 dBA	> 85 dBA

Audio inputs		
Analogue audio in 1	3-pin female XLR sockets (electronically balanced)	3-pin female XLR sockets (electronically balanced)
Analogue audio in 2 *(Audio in or Emergency input - EEM)*	3-pin female XLR sockets (electronically balanced)	3-pin female XLR sockets (electronically balanced)

Audio outputs		
Analogue audio out *(A, B, C and D)*	4 x 3-pin male XLR sockets (electronically balanced)	8 x 3-pin male XLR sockets (electronically balanced)
Maximum load	> 1 kΩ	> 1 kΩ

Interconnections		
DCS-LAN	2 x RJ45 female sockets	4 x RJ45 female sockets
EEM	One contact closure input	One contact closure input

System Performance *(feature license dependant)*		
Max. number of conference units *(excl. CS)*	500	3.800
Max. number of IS *(Interpreter Units)*	150	150
Max. number of IS units in one booth	32	32
Max. number of AO *(Audio Output Units)*	20	20
Max. number of CS *(Channel Selector Units)*	Unlimited	Unlimited
Max. number of languages	16	31
Max. number of open "floor" microphones	8	8

Mechanical		
Mounting	Tabletop or mounted in a 19" one unit rack	Tabletop or mounted in a 19" one unit rack
Colour	Black	Black
Dimensions without feet *(H x W x D)*	44.4 x 426 x 186 mm	44.4 x 426 x 186 mm
Weight	2.800 g	2.800 g
Storage temperature	-20° to 60° C, 10-80% humidity	-20° to 60° C, 10-80% humidity
Optimal operating temperature	5° to 40° C, 35-80% humidity	5° to 40° C, 35-80% humidity

PS CU External Power Supply		
Main voltage	100 – 240 V, 50 – 60 Hz	100 – 240 V, 50 – 60 Hz
Max. consumption	175 W	175 W
Total supply power	150 W	150 W
Standby consumption	< 0.5 W	< 0.5 W
Supply voltage for CU 6105	48V/3A	48V/3A

Included Accessories		
	PS CU External Power Supply	PS CU External Power Supply
	Power able (EU connector), *1 piece*	Power able (EU connector), *1 piece*
	19" brackets, *1 set*	19" brackets, *1 set*
	Tool for fixing GM to XLR	Tool for fixing GM to XLR

Certifications
The DCS 6000 system conforms to standard IEC 60914. PS CU approvals CE, KC, CCC, cULus, TÜV Supply voltage for CU 6105 48V/3A.

Specifications of conference units can be found in the individual datasheets of each product. Please contact us.

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